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|------------|----|---|
| | 1 | 1. (Amended) A method of manufacturing a semiconductor device, comprising the steps of: |
| L | du | (a) forming a first insulating film above a semiconductor substrate formed with semiconductor |
| 7 | 3 | elements; |
| | 4 | (b) forming a contact hole through the first insulating film; |
| | | |
| | 5 | (c) forming a plug made of conductive material capable of being nitrided, the plug being embedded |
| 1 | 6 | in the contact hole; |
| \ | 7 | (d) heating the semiconductor substrate in a nitriding atmosphere to nitride the plug from a surface |
| | 8 | thereof; |
| | 9 | (e) forming an etch stopper layer on the first insulating film, the etch stopper layer covering the plug; |
| | 10 | and |
| | | lack lac |
| | 11 | (f) forming a second insulating film on said etch stopper layer, |
| | 12 | wherein said etch stopper layer has a function of stopping etching of said second insulating film. |
| | | |
| | | 5. (Amended) A method of manufacturing a semiconductor device according to claim 1, wherein |
| , 2 | - | said step (e) includes a step of heating the semiconductor substrate and supplying SiN source gas to the |
| 1 | | semiconductor substrate to form an SiN layer on the first insulating film through chemical vapor deposition, |
| | | the SiN layer covering the plug. |
| | | |
| | | 8. (Amended) A method of manufacturing a semiconductor device, comprising the steps of: |



- (a) forming a lower electrode above a semiconductor substrate formed with semiconductor elements, the lower electrode having a top surface and side surfaces;
- (b) forming a dielectric film on a surface of the lower electrode, the dielectric film in a region near a boundary between the top surface and each of the side surfaces being thicker than the dielectric film in a lower region of the side surfaces; and
 - (c) forming an upper electrode on the dielectric film.

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- 15. (Amended) A method of manufacturing a semiconductor device, comprising the steps of:
- (a) forming a rare metal layer above a semiconductor substrate formed with semiconductor elements;
 - (b) forming an insulating mask layer on the rare metal layer;
 - (c) patterning the insulating mask layer by using a resist pattern;
 - (d) pattering the rare metal layer by using the patterned insulating mask layer; and
- (f) forming an insulating film over the semiconductor substrate, the insulating film covering the patterned insulating mask layer.
- 19. (Amended) A method of manufacturing a semiconductor device according to claim 15, further comprising the steps of:
 - (g) annealing the semiconductor substrate in hydrogen-containing gas.

Please ADD the following new claims:

22. (New) A method of manufacturing a semiconductor device according to claim 1, wherein said etch stopper layer is made of at least one of TaO, NbO, TiO and aluminum.

- 23. (New) A method of manufacturing a semiconductor device according to claim 6, further comprising the steps of:
 - (i) forming an oxide dielectric layer on the rare metal layer; and
 - (j) forming an opposing electrode on the oxide dielectric layer.
- 24. (New) A method of manufacturing a semiconductor device according to claim 8, wherein said dielectric film in said region is about 60% or more thicker than that in said lower region.
- 25. (New) A method of manufacturing a semiconductor device according to claim 15, wherein said insulating mask layer is a TaO layer.